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URBAN DISTRICT COUNCIL



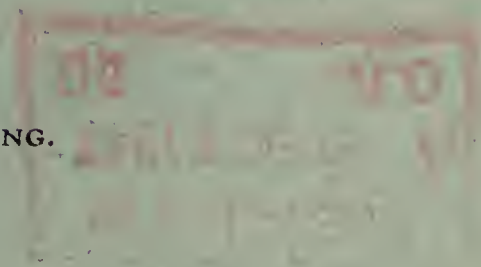
ANNUAL REPORT

of the

Medical Officer of Health

For the Year 1946

DALKEITH PRESS LTD., KETTERING.



Urban District of Rothwell

Members of the Public Health Committee:—

1946, Messrs. J. W. Rowlett (Chairman), S. B. Kimbell, F. T. Lee,
H. Sumpter, the Rev. T. P. Adler, M.A.

The Chairman and Vice-Chairman of the Council are
ex-officio members.

Public Health Officers of the Local Authority:

Medical Officer of Health.

JOHN TERENCE MURPHY, M.B., B.CH., B.A.O., D.P.H.

Also holds the appointments of Medical Officer of Health to the
Urban District Councils of Burton Latimer, Corby, Desborough,
the Rural District of Kettering and Assistant Medical Officer of
Health and Assistant School Medical Officer to the
Northamptonshire County Council.

Sanitary Inspector and Surveyor:

JOHN MILES, A.R.S.I. (until 31st March).

G. A. GRAVES, A.R.SAN.I. (from 20th May)

(Holds the Royal Sanitary Institute Certificate as an Inspector
of Meat and other Foods.)

Public Health Department,
75 London Road,
Kettering.

July, 1947.

To the Chairman and Members of the
Rothwell Urban District Council.

Mr. Chairman, Ladies, and Gentlemen,

I have the honour to present my annual report on the health
and sanitary conditions of the Urban District for 1946.

Mr. Miles left for another appointment on the 31st March,
and Mr. Graves commenced duties as Sanitary Inspector and Sur-
veyor on the 20th May, 1946.

I wish to express thanks to the Chairman, and Members of
the Public Health Committee for their support, and also to the
Clerk and Sanitary Inspector for their co-operation and help during
the year.

I am,

Your obedient servant,

J. T. MURPHY,
Medical Officer of Health.

SUMMARY OF VITAL STATISTICS.

The following is a summary of the principal statistics for the years 1942, 1943, 1944, 1945, 1946.

					1942	1943	1944	1945	1946
Area (acres)	...	...	...	...	3638	3638	3638	3638	3638
Population (Registrar-General's estimate)	...	...	...	...	4559	4432	4458	4408	4629
Number of Live Births	...	...	...	...	94	84	99	83	103
Legitimate	...	...	...	...	91	73	81	69	96
Illegitimate	...	...	...	...	3	11	18	14	7
Birthrate per 1,000 population	...	...	...	...	20.61	18.95	22.20	18.82	22.25
Number of Still Births	...	...	...	...	1	5	2	1	3
Legitimate	...	...	...	...	1	5	2	1	3
Illegitimate	...	...	...	...	—	—	—	—	—
Rate per 1,000 total (live and still) births	...	...	...	...	10.52	56.18	19.80	11.90	28.30
Rate per 1,000 population	...	...	...	...	0.21	1.12	0.44	0.22	0.64
Number of Deaths	...	...	...	...	52	64	55	70	54
Death rate per 1,000 population (crude)	...	...	...	...	11.40	14.44	12.33	15.88	11.66
Total Maternal Deaths	...	...	...	...	—	—	—	—	—
(a) Puerperal Sepsis	...	...	...	...	—	—	—	—	—
(b) Other Puerperal Causes	...	...	...	...	—	—	—	—	—
Infantile Mortality rate per 1,000 live births	...	...	...	...	21.27	83.83	30.30	60.24	29.12
Deaths from all forms of Tuberculosis	...	...	...	...	5	5	5	2	1
Deaths from Pulmonary Tuberculosis	...	...	...	...	3	5	4	2	—
Deaths from Cancer (all ages)	...	...	...	...	10	7	8	9	9
Deaths from Measles (all ages)	...	...	...	...	—	—	—	—	—
Deaths from Whooping Cough (all ages)	...	...	...	...	—	—	—	—	—
Deaths from Diarrhoea under two years of age	.....	...	...	...	—	—	—	—	—

BIRTH-RATE, DEATH-RATE, AND ANALYSIS OF MORTALITY DURING THE YEAR, 1946.

	Rate per 1,000 Total Population		Annual Death-rate per 1,000 Population								Rate per 1,000 live births	
	Live Births	Still Births	All Causes	Typhoid & Para- typhoid Fever	Small-Pox	Measles	Scarlet Fever	Whooping Cough	Diph- theria	Influenza	Diarr- hoea & Enteritis under 2 years	Total Deaths under 1 year
England and Wales...	19.1	0.53	11.5	0.00	0.00	0.00	0.00	0.02	0.01	0.15	4.4	43
126 County Boroughs and Great Towns, including London ...	22.2	0.67	12.7	0.00	0.00	0.01	0.00	0.02	0.01	0.13	6.1	46
148 Smaller Towns (estd. resident popu- lations, 25,000— 50,000) ...	21.3	0.59	11.7	0.00	0.00	0.00	0.00	0.02	0.01	0.14	2.8	37
London ...	21.5	0.54	12.7	0.00	—	0.01	0.00	0.02	0.01	0.12	4.2	41
Rothwell Urban District	22.25	0.64	11.66	—	—	—	—	—	—	0.21	—	29.12

			Abortion with Sepsis	Abortion without sepsis	Puerperal infections	Others	Total
The Maternal Mortality rates for England and Wales per 1,000 total births			...	0.13	0.06	0.18	1.06
The Maternal Mortality rates for Rothwell Urban Dist.			...	nil	nil	nil	1.43

SECTION A. Statistics and Social Conditions.

Area (acres)	3,638
Registrar-General's estimate of resident population ...	4,629
Number of inhabited houses (end of 1945) according to Rate Books	1,470
Rateable Value	£19,717
Sum represented by Penny Rate	£74

The chief occupations of the inhabitants are as follows:—
Boot and shoe manufacture, ironstone mining and manufacture of
agricultural implements.

Extracts from Vital Statistics for the Year.

LIVE BIRTHS	Total	Males	Females
Legitimate	96	50	46
Illegitimate	7	6	1
	—	—	—
Totals ...	103	56	47
	—	—	—
Birth-rate per 1,000 of the estimated population ...			22.25
STILL BIRTHS	Total	Males	Females
	3	2	1
Rate per 1,000 total (live and still) births			28.30
DEATHS	Total	Males	Females
	54	34	20
Death-rate per 1,000 of the estimated resident population			11.66
Deaths from Puerperal causes:—			
Puerperal Sepsis			nil
Other Puerperal Causes			nil
Rate per 1,000 total (live and still) births			nil
Death-rate of infants under one year of age: —			
All infants per 1,000 live births			29.12
Legitimate infants per 1,000 legitimate live births ...			31.25
Illegitimate infants per 1,000 illegitimate live births ...			nil
Deaths from Measles (all ages)			nil
Deaths from Whooping Cough (all ages)			nil
Deaths from Diarrhoea (under two years of age)			nil
Deaths from Cancer (all ages)			9
Deaths.—No “comparability” factor was issued for 1946.			

Births.—The following table shows the birth rate for 1946, together with the rate for England and Wales.

Live Birth Rates, 1946.

Rothwell	...	...	...	...	22.25
England and Wales	...	...	...	...	19.1

Infantile Mortality is the number of deaths in children under one year of age per 1,000 lives births. This is an indication of the environmental and social conditions of a community with special reference to housing, overcrowding and maternity and child welfare.

Infantile Mortality Rates, 1946.

Rothwell	...	...	...	...	29.12
England and Wales	...	...	...	...	43

The registered causes of death were as follows:—

					Males	Females	Total
All Causes	...	...	...	...	34	20	54
1	Typhoid and Paratyphoid Fevers	...	...	...	—	—	—
2	Cerebro-spinal Fever	...	...	...	—	—	—
3	Scarlet Fever	...	...	...	—	—	—
4	Whooping Cough	...	...	...	—	—	—
5	Diphtheria	...	...	...	—	—	—
6	Tuberculosis of the respiratory system	...	...	...	—	—	—
7	Other forms of tuberculosis	...	...	...	—	1	1
8	Syphilitic diseases	...	...	...	—	—	—
9	Influenza	...	...	...	1	—	1
10	Measles	...	...	...	—	—	—
11	Acute Poliomyelitis and polioencephalitis	...	...	...	—	—	—
12	Acute infantile encephalitis	...	...	...	—	—	—
13	Cancer	...	...	...	7	2	9
14	Diabetes	...	...	...	—	1	1
15	Heart Disease	...	...	...	10	7	17
16	Intracranial vascular lesions	...	...	...	5	4	9
17	Other circulatory diseases	...	...	...	—	1	1
18	Bronchitis	...	...	...	1	—	1
19	Pneumonia (all forms)	...	...	...	2	1	3
20	Other respiratory diseases	...	...	...	2	—	2
21	Ulcer of stomach or duodenum	...	...	...	—	—	—
22	Diarrhoea (under 2 years)	...	...	...	—	—	—
23	Appendicitis	...	...	...	—	—	—

Registered Causes of death—continued.

					Males	Females	Total
24	Other digestive diseases	...	...	...	—	—	—
25	Nephritis	...	...	...	4	1	5
26	Puerperal Causes	...	...	...	—	—	—
27	Premature Birth	...	...	...	2	1	3
28	Congenital debility, malformation, and birth injury				—	—	—
29	Suicide	...	...	...	—	—	—
30	Road traffic accidents	...	...	...	—	—	—
31	Other violent causes	...	...	...	—	1	1
32	All other causes	...	...	...	—	—	—

SECTION B. General Provision of Health Services.

(a) **Laboratory facilities.**—Bacteriological examinations have been carried out by the Emergency Public Health Laboratory at Northampton.

The following specimens were examined:—

						1946
Swabs	...	...	...	...	...	3
Blood	...	...	...	...	...	2
Faeces	...	...	...	...	...	1
Urine	...	...	...	...	...	—
Sputum	...	...	...	...	...	1

(b) **Ambulance facilities.**—Infectious cases are removed by the ambulance of the Joint Hospital Board. Non-infectious and accident cases are removed by the Desborough or Kettering ambulance under the administration of the St. John Ambulance Brigade.

(c) **Nursing in the Home.**—The Rothwell Nursing Association which is affiliated to the County Nursing Association provides the services of a whole time nurse. Details of the work carried out during 1946 are as follows:—

	Cases Nursed			Total
General	Midwifery	Maternity		Visits
107	25	32		3043

(d) **Treatment Centres and Clinics.**—A County Council Child Welfare Clinic is held twice monthly. A Medical Officer attends one session each month.

The County Council is the Authority for the treatment of Tuberculosis and the Tuberculosis Officer attends weekly at the Health Clinic, Market Street, Kettering.

Orthopaedic cases attend the Manfield Orthopaedic clinic at Kettering.

Persons suffering from Venereal Diseases are treated at the Kettering and District General Hospital every Thursday evening under the County Council scheme.

Under the Scabies Order, 1941, a cleansing centre was established in 1942 and the services of a nurse were obtained for treating women and children.

No. ascertained	No. treated at Centre	No. treated at home
3	1	2

Diphtheria Immunisation.—From 1941 free immunisation against diphtheria was offered to children from one to fifteen years of age.

The number of children who were immunised in 1946 is as follows:—

Under 5 years	...	...	...	...	80
5 to 14 years	..	...	...	...	2
Total	...	...	...	...	82

The number of children who have had the full course of immunisation since the beginning of the scheme is as follows:—

Age at 31-12-46	Under 1	1	2	3	4
i.e. Born in Year	1946	1945	1944	1943	1942
Number immunised	—	43	52	59	60

Estimated mid-year population, 1946, 418

Age at 31-12-46	5 to 9	10 to 14
i.e. Born in Year	1937-1941	1932-1936
Number immunised	295	298

Estimated mid-year population, 1946, 559

Total number under 15 immunised ... 807

The above figures do not include those children immunised by private arrangement.

SECTION C and E.—Sanitary Circumstances of the Area and Inspection and Supervision of Food.

Water Supply.—No serious shortage of water was experienced during the past year, anxiety was felt in the middle of the summer and the auxiliary supply at Half-way House was brought into use which was just sufficient to meet the demand.

The improved yield from all sources throughout the year can be accounted for by the high rainfall of 25.94in.

The treatment of the water by pressure filters and chlorination continues to show upon analysis a satisfactory standard of purity.

Approximately 98% of the population of the Urban District receives water from the undertaking. It is estimated that 70% of

the total number of houses in the district are supplied with water to fittings inside the premises, and the remainder rely upon stand-pipes.

Sewerage and Sewage Disposal.—During the past year new arms have been fitted to one of the rotary filters, and other minor improvements have been carried out, otherwise the plant continues to function satisfactorily as shown by the monthly precipitation tests on the effluent.

Sanitary Inspection of the Area.—344 inspections for all purposes were made during the year.

Number of notices served:—

Statutory	...	...	...	...	...	2
Complied with	...	...	...	...	...	2
Informal	...	...	...	...	...	31
Complied with	...	...	...	...	...	26

Meat and other Foods.—Regular inspection of butchers' shops and other premises where food is prepared or exposed for sale was carried out and no serious contraventions were found.

The following food stuffs were condemned and destroyed being found unfit for human consumption:—

Meat	...	...	...	...	...	59lbs.
Fish	...	...	...	...	...	14lbs.
Vegetables	...	...	...	...	...	91lbs.
Milk (tinned)	...	...	...	...	...	45lbs.

Bake-Houses.—The three bake-houses in the town were inspected on twelve occasions and found to be in a clean condition.

Milk and Dairies.—One person was added to the list of milk producers in the course of the year. 78 samples of milk were submitted to the County Laboratory for testing with the Methylene Blue test with the following results:—

Good	...	...	...	...	...	59
Moderate	...	...	...	...	...	13
Bad	...	...	...	...	...	6

9 samples of pasteurised milk were examined by the phosphatase test and all were passed in group 1.

At the end of 1946 there were 14 cowsheds occupied in the district and 7 retailers.

Factories and Workplaces.—There are 32 factories in the district, 30 of which have mechanical power and 2 have no power.

Five of the factories are food preparation premises i.e., Bake houses and butchers' shops where machines are used in the processing of food.

Inspection of the factories was carried out on 41 occasions. 3 notices in respect of inadequate and defective sanitary accommodation were served on owners in the course of the year which were complied with.

One Fire Escape Certificate was issued to a factory after being de-requisitioned.

Although in general most of the factories are old they are maintained in a satisfactory state of cleanliness.

SECTION F.—Infectious Diseases.

Scarlet Fever.—Two cases were notified. One was removed to hospital and both recovered.

Puerperal Pyrexia.—One case was notified. The patient was removed to hospital and recovered.

Anterior Poliomyelitis.—One case was notified in a baby, aged seven months. The child was nursed at home and recovered.

Tuberculosis.

Tuberculosis.—Public Health (Prevention of Tuberculosis) Regulations, 1925. These regulations empower the Council to prevent persons suffering from tuberculosis to engage in the milk trade. No action was taken during 1946.

Public Health Act, 1925, Section 62 and Public Health Act, 1936, Section 172. No action was taken under this section whereby an infectious case of pulmonary tuberculosis may be compulsorily removed to hospital.

Four cases of pulmonary tuberculosis were notified during the year; one of these, a child, aged thirteen months, subsequently died from tuberculous meningitis.

Tuberculosis After-Care.—The Committee continues to take a great interest in the welfare of patients and in the preventive side of tuberculosis.

MONTHLY INCIDENCE OF NOTIFIABLE DISEASES (Other than Tuberculosis) 1946.

Disease	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Scarlet Fever	1	—	—	—	—	—	—	1	—	—	—	—	2
Puerperal Pyrexia	—	—	—	—	1	—	—	—	—	—	—	—	1
Anterior Poliomyelitis	—	—	—	—	—	—	—	1	—	—	—	—	1
Totals	1	—	—	—	1	—	—	2	—	—	—	—	4

AGE INCIDENCE OF NOTIFIABLE DISEASES (other than Tuberculosis) 1946.

Disease	—1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 & All Over Ages to Hospital	Removed Deaths
Scarlet Fever	—	—	—	—	—	1	1	—	—	—	—	2	1
Puerperal Pyrexia	—	—	—	—	—	—	—	—	1	—	—	1	—
Anterior Poliomyelitis	1	—	—	—	—	—	—	—	—	—	—	1	—
Totals	1	—	—	—	—	1	1	—	1	—	—	4	2

NEW CASES OF TUBERCULOSIS, 1946.

Age Periods	Respiratory		Non-Respiratory	
	Male	Female	Male	Female
0—	—	—	—	—
1—	—	1	—	—
5—	—	—	—	—
15—	1	—	—	—
25—	—	—	—	—
35—	1	1	—	—
45—	—	—	—	—
55—	—	—	—	—
65—	—	—	—	—
Totals	2	2	—	—

DEATHS FROM TUBERCULOSIS, 1946.

Age Periods	Respiratory		Non-Respiratory	
	Male	Female	Male	Female
0—	—	—	—	—
1—	—	—	—	1
5—	—	—	—	—
15—	—	—	—	—
25—	—	—	—	—
35—	—	—	—	—
45—	—	—	—	—
55—	—	—	—	—
65—	—	—	—	—
Totals	—	—	—	1

